

# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2007/085694

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. H04H60/31

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
H04H H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2006/093741 A (SCIENTIFIC ATLANTA [US]; OSTROWSKA BARBARA [US]; RUSS SAMUEL H. [US]) 8 September 2006 (2006-09-08) page 5, lines 12-14 page 8, lines 11-18 page 9, line 19 - page 10, line 17 figures 5,6	4,6-22
A	WO 96/19079 A (PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [SE]) 20 June 1996 (1996-06-20) page 2, lines 3-11 page 3, line 29 - page 4, line 3 page 9, lines 15-30	4,9,14, 15,19,22
A	US 2002/198762 A1 (DONATO PAUL [US]) 26 December 2002 (2002-12-26) figure 5	17,18

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

Date of the actual completion of the international search

2 June 2008

Date of mailing of the international search report

09/06/2008

Name and mailing address of the ISA/

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### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 1-3,5  
because they relate to subject matter not required to be searched by this Authority, namely:

Rule 39.1(v) PCT - Presentation of information

These claims refer to a viewing log, more precisely to the arrangement of data in a viewing log.

2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/085694

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2006093741 A	08-09-2006	CA 2599947 A1	08-09-2006
		EP 1854296 A1	14-11-2007
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		NZ 530015 A	26-08-2005
		WO 02103942 A1	27-12-2002
		ZA 200309740 A	04-10-2004

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
5 June 2008 (05.06.2008)

PCT

(10) International Publication Number  
**WO 2008/067343 A3**

(51) International Patent Classification:  
*H04H 60/31* (2008.01)

(21) International Application Number:  
PCT/US2007/085694

(22) International Filing Date:  
28 November 2007 (28.11.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
11/564,347 29 November 2006 (29.11.2006) US

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(74) Agents: **LAFFERTY, Wm. Brook** et al.; Scientific-Atlanta, Inc., Intellectual Property Dept., 5030 Sugarloaf Parkway, Lawrenceville, GA 30044 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: VIEWER DATA COLLECTION IN A MULTI-ROOM NETWORK

TV VIEWING LOG					
USER	DEVICE	STATUS	LAST DATE USED	DAILY TV TIME	
<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">▲</div> <div style="border: 1px solid black; border-radius: 50%; padding: 2px;">SEL</div> <div style="margin-left: 5px;">▼</div> </div>	Judy	Family Room	ON	Wed 1/18	5 hr 16 min
	Sarah	Bedroom	OFF	Wed 1/18	1 hr 6 min
	Tom	Basement	ON	Wed 1/18	0 hr 30 min
	Josh	Kid's Room	OFF	Mon 1/16	0 hr 0 min
Wed 1/18		▲ A	B	C	CUSTOMIZE

(57) Abstract: Viewer data collection in a multi-room system. A TV viewing log is created for each user or each device in a multi-room system. The log can be used to limit or monitor the amount of television watched in the household. The log allows more accurate viewer data to be collected, compressed, and then sent to the headend at off-peak hours.



WO 2008/067343 A3



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**(88) Date of publication of the international search report:**

31 July 2008